

## AN M-ARY VARIABLE SHIFT KEYING COMMUNICATIONS SYSTEM

### ABSTRACT OF THE DISCLOSURE

An m-ary variable shift keying communications system with a signal transmitter which uses a frequency hopping architecture and conveys symbol information. A pseudorandom noise (PN) code is integrated into the transmitted signal. There is a code for the system in which there are "m" number of possible frequencies. A signal receiver has a plurality of channels. There is a detection means and a symbol decision means operatively coupled to the receiver. An error detection and correction means provides error correction of the received data.